

CA*Net Press Release

Ottawa, Ontario (Nov. 3, 2004) NYSERNet, the research and education network for New York State, has begun implementation of its newest statewide infrastructure with the acquisition of 516 miles of dark fiber, and equipment to build DWDM and IP networks on top of it. The deployment will be complete by February.

For the first time, NYSERNet's member institutions will control a statewide transport infrastructure, with 32 DWDM lambdas available from day one across the entire fiber footprint. Each lambda is capable of carrying up to 10 Gbps, and will be available at every point in the network thanks to a reconfigurable optical add-drop multiplexer (ROADM) in each PoP. The NYSERNet IP network will be upgraded with new routers connected via multiple Gigabit Ethernet lambdas.

The initial PoPs will be in Buffalo, Rochester, Syracuse, Albany and at the NYSERNet colocation facility in Manhattan at 32 Avenue of the Americas; future expansion will take the network to other areas of the state.

Around the state, NYSERNet member institutions are building and acquiring metropolitan dark fiber to enable their connections to both the IP and DWDM networks, and working with researchers to discuss how the new networks' capabilities can be used. The entire capacity of the DWDM network will be available to NYSERNet members for transport between cities and to reach the research network resources at 32 AofA.

The capacity and flexibility of this infrastructure enables qualitatively new applications in research and education. The NYSERNet Board, working with NYSERNet staff and key members of their institutions, have engaged in articulating and prioritizing these new opportunities, a process we anticipate will continue for some time to come as we learn how to harness this infrastructure and its capabilities.